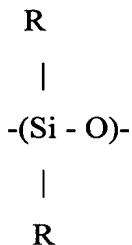


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ART 34 ANDT

CLAIMS

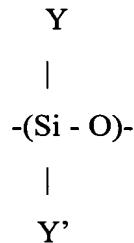
1. A foam control composition comprising a polydiorganosiloxane fluid comprising units of the formula



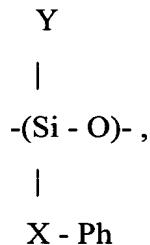
where each group R, which may be the same or different, is selected from an alkyl group having 1 to 36 carbon atoms or an aryl group or aralkyl group having up to 36 carbon atoms, the mean number of carbon atoms in the groups R being at least 1.3, and an additive composition of melting point 35 to 100°C comprising a substantially non-polar polyol ester which is a polyol substantially fully esterified by carboxylate groups each having 7 to 36 carbon atoms.

2. A foam control composition according to Claim 1, characterized in that the polyol ester is a glycerol triester.
3. A foam control composition according to Claim 1 or Claim 2, characterized in that the polyol ester is substantially fully esterified by carboxylate groups each having 14 to 22 carbon atoms.
4. A foam control composition according to Claim 3, characterized in that glycerol tripalmitate forms at least 30% by weight of the polyol ester.
5. A foam control composition according to any of Claims 1 to 4, characterized in that the additive composition comprises a mixture of polyol esters containing carboxylate groups of different carbon chain length.

6. A foam control composition according to any of Claims 1 to 5, characterized in that the additive composition also contains up to 50% by weight of a component which is miscible with the polyol ester and contains groups more polar than the carboxylate ester groups of the polyol ester.
7. A foam control composition according to Claim 6, characterized in that the said groups more polar than the carboxylate ester groups of the polyol ester are unesterified -OH groups.
8. A foam control composition according to Claim 6, characterized in that the said groups more polar than the carboxylate ester groups of the polyol ester are unesterified carboxylic acid groups.
9. A foam control composition according to Claim 6, characterized in that the said groups more polar than the carboxylate ester groups of polyol ester are amide or amino groups.
10. A foam control composition according to any of Claims 1 to 9, characterized in that the polysiloxane fluid is a polysiloxane comprising at least 10% diorganosiloxane units of the formula

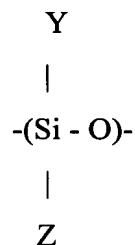


and up to 90% diorganosiloxane units of the formula

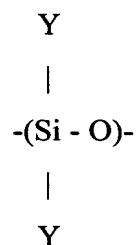


wherein X denotes a divalent aliphatic organic group bonded to silicon through a carbon atom; Ph denotes an aromatic group; Y denotes an alkyl group having 1 to 4 carbon atoms; and Y' denotes an aliphatic hydrocarbon group having 1 to 24 carbon atoms.

11. A foam control composition according to any of Claims 1 to 9, characterized in that the polysiloxane fluid is a polysiloxane comprising 50-100% diorganosiloxane units of the formula

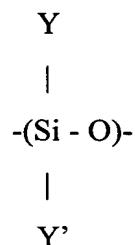


and optionally up to 50% diorganosiloxane units of the formula

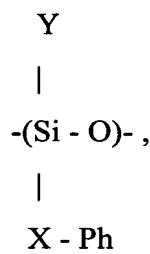


wherein Y denotes an alkyl group having 1 to 4 carbon atoms and Z denotes an alkyl group having 6 to 18 carbon atoms.

12. A foam control composition comprising a polydiorganosiloxane fluid comprising at least 10% diorganosiloxane units of the formula



and up to 90% diorganosiloxane units of the formula



wherein X denotes a divalent aliphatic organic group bonded to silicon through a carbon atom; Ph denotes an aromatic group; Y denotes an alkyl group having 1 to 4 carbon atoms; and Y' denotes an aliphatic hydrocarbon group having 1 to 24 carbon atoms, and an additive composition comprising a substantially non-polar organic material of melting point 35 to 100°C which is miscible with the polydiorganosiloxane fluid.

13. A foam control composition according to Claim 12, characterized in that the substantially non-polar material comprises at least one paraffin wax, optionally blended with microcrystalline wax.
14. A foam control composition according to any of Claims 1 to 13, characterized in that the composition further contains an organosilicon resin.
15. A foam control composition according to claim 14, characterized in that the organosilicon resin is a siloxane resin consisting of monovalent trihydrocarbonsiloxy (M) groups of the formula $R''_3SiO_{1/2}$ and tetrafunctional (Q) groups $SiO_{4/2}$ wherein R'' denotes an alkyl group and the number ratio of M groups to Q groups is in the range 0.4:1 to 1.1:1.
16. A foam control composition according to any of Claims 1 to 15, characterized in that the composition further contains a hydrophobic filler with an average particle size of from 0.5 to 30 μm .
17. A foam control composition according to any of Claims 1 to 16, characterized in that the additive composition is present at 20-200% by weight based on the polysiloxane fluid.

18. A granulated foam control agent comprising a foam control composition according to any of Claims 1 to 17 supported on a particulate carrier.

19. A granulated foam control agent according to Claim 18, characterized in that a water-soluble or water-dispersible binder is also deposited on the carrier particles.

20. A process for the production of a granulated foam control agent according to Claim 18 or Claim 19, characterized in that the polysiloxane fluid optionally containing hydrophobic filler and/or organosilicon resin is mixed with the additive composition and the mixture is deposited on the carrier particles in non-aqueous liquid form.

21. A process according to Claim 20, characterized in that the said mixture is deposited on the carrier particles at a temperature in the range 40-100°C.

22. A process according to Claim 20 or Claim 21, characterized in that a water-soluble or water-dispersible binder is separately deposited on the carrier particles.